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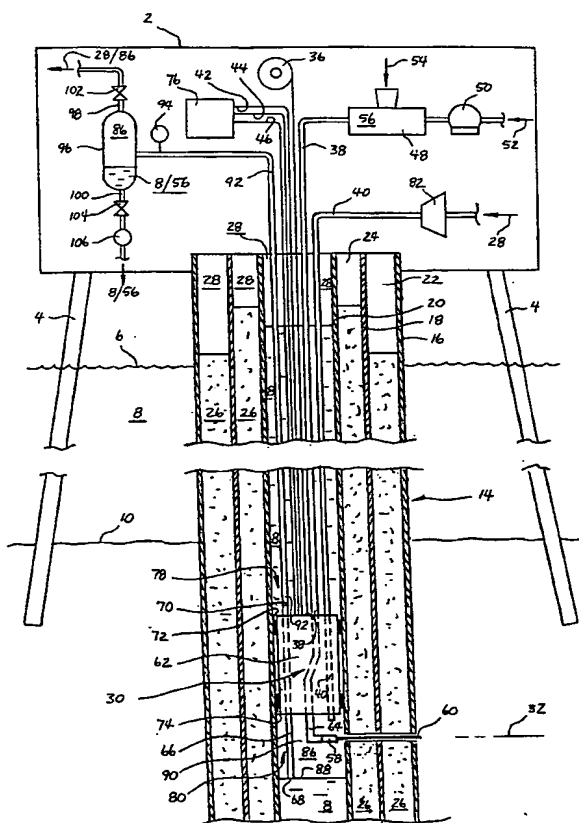
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20022668 6 June 2002 (06.06.2002) NO(71) Applicant (for all designated States except US): **NORSE CUTTING & ABANDONMENT AS** [NO/NO]; Hamrasletta 11, N-4056 Tananger (NO).

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(75) Inventors/Applicants (for US only): **LUND, Per**[NO/NO]; Hegreberg, N-4152 Vestre Åmøy (NO). **WIIG, Erling, J.** [NO/NO]; Jacob Fayes vei 6, N-0287 Oslo (NO).(74) Agent: **HÅMSØ PATENTBYRÅ ANS**; P.O. Box 171, N-4302 Sandnes (NO).(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

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(54) Title: A DEVICE FOR A HYDRAULIC CUTTING TOOL



(57) Abstract: A device for a hydraulic cutting tool (30) for cutting of at least one pipe (16, 18, 20) or tubular object beneath a water floor (10), wherein the cutting is carried out from a surface facility (2). The cutting tool (30) is anchored in a pressure tight manner in the pipe (16), whereupon pressurised gas (86) is pumped into a pipe section (80) immediately below the cutting tool (30). With this, liquid (8), and eventually pressurised gas (86), will flow out of the pipe section (80) via a short drain pipe (66) through the cutting tool (30), so as to create a gas filled pipe volume (90) comprising the relevant cutting depth (32) in the pipe section (80). The invention differs from prior art by the outflowing liquid being led onwards up to the surface facility (2) via a drain line (92). The upper end portion of the drain line (92) is connected to at least one adjustable choke device (102, 104). This allows the gas overpressure in said pipe volume (90) to be controlled during the cutting, providing optimal operating conditions during the hydraulic cutting.

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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## INTERNATIONAL SEARCH REPORT

International application No.

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E21B 29/12, B23D 21/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E21B, B23D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5381631 A (RAGHAVAN ET AL), 17 January 1995 (17.01.95) --	1-6
A	US 6155343 A (NAZZAL ET AL), 5 December 2000 (05.12.00) --	1-6
A	GB 2288350 A (STOLT COMEX SEAWAY), 18 October 1995 (18.10.95) --	1-6
A	WO 0232634 A2 (CUDD PRESSURE CONTROL, INC.), 25 April 2002 (25.04.02) -- -----	1-6

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

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